

## **SPECTACLE HEARING AID**

### **ABSTRACT OF THE DISCLOSURE**

A hearing aid/spectacles combination includes a spectacle frame and a first reproduction unit. The spectacle frame has a microphone array in a first spectacle arm. The microphone array is able to pick up a sound signal and is able to transmit a processed signal, produced on the basis of the sound signal, to the first reproduction unit. The hearing aid/spectacles combination includes a sound registration module that includes the microphone array; a beam forming module for forming a direction-dependent processed signal; a reproduction adaptation module for controlling a reproduction characteristic of the processed sound signal produced by the first reproduction unit; a reproduction module that comprises the first reproduction unit; and a reproduction control module for controlling a reproduction characteristic of the processed sound signal produced by the first reproduction unit; the beam forming module and the reproduction adaptation module can be based on digital techniques.